

Dr. Werner J.A. Dahm
The University of Michigan



EDUCATION

California Institute of Technology
Ph.D., Aeronautics, 1985
The University of Tennessee Space Institute
M.S., Mechanical Engineering, 1981
The University of Alabama in Huntsville
B.S.E., Mechanical Engineering, 1978

WORK EXPERIENCE

The University of Michigan, Department of Aerospace Engineering
Head, Laboratory for Turbulence & Combustion, 1991 - Present
Professor, 1997 - Present
Associate Professor, 1991 - 1997
Assistant Professor, 1985 - 1991
Defense Science Board (DSB)
21st Century Defense Technology Task Force, 1999
Joint Operations Superiority in the 21st Century Task Force, 1998
Joint Advanced Strike Technology Task Force, 1994
Tactical Air Warfare Task Force, 1993
Institute for Defense Analyses
Member, Defense Science Study Group (DSSG), 1990 - 1992
Consultant, 1989 - 1999
Calspan Corporation and ARO Inc., Propulsion Wind Tunnel Facility (PWT), USAF
Arnold Engineering Development Center (AEDC), 1979-1981

AREAS OF EXPERTISE

Fluid dynamics, turbulent flows, vortical flows, viscous flows, turbulent combustion, supersonic combustion, combustion aerodynamics, turbulent flow modeling, combustion modeling, laser diagnostics, microsystems, microfluidics, microcombustion, microengines, microdevices, defense science.

PROFESSIONAL/SCIENTIFIC/ HONORARY AFFILIATIONS

Fellow, Division of Fluid Dynamics, American Physical Society; Associate Fellow, American Institute of Aeronautics & Astronautics (AIAA); Associate Editor, AIAA Journal, American Institute of Aeronautics & Astronautics; Member, Executive Committee, Division of Fluid Dynamics, American Physical Society; Member, Publications Committee, Division of Fluid Dynamics, American Physical Society; George J. Huebner Research Excellence Award, The University of Michigan; 1938E Distinguished Achievement Award, The University of Michigan; William F. Ballhaus Aeronautics Prize, Caltech.